

FINAL REPORT

The Science Academies lecture workshop about "Recent Advances in Biotechnology of Health and Disease (BHD-2011)" was organized on October 7 and 8, 2011 by Dr. P. Varalakshmi (Coordinator) and Dr. B. Ashokkumar (Joint Coordinator) in School of Biotechnology at Madurai Kamaraj University in association with Dr. Sathees C. Raghavan (Convener) and Dr. P. N. Rangarajan (Co-Convener) Indian Institute of Science, Bangalore and sponsored by INDIAN ACADEMY OF SCIENCES (BANGALORE), INDIAN NATIONAL SCIENCE ACADEMY (NEW DELHI) and THE NATIONAL ACADEMY OF SCIENCES, INDIA (ALLAHABAD).

Prof. K. Veluthambi, Head & Chairperson, School of Biotechnology, Madurai Kamaraj University welcomed the eminent scientists from across the country, have come to share the knowledge on global developments in health and disease and all the participants from various universities and research institutes. Prof. P. N. Rangarajan, Indian Institute of Sciences, Bangalore has inaugurated the event, while he elaborated on the immense contribution of biotechnology in the field of modern health science in his inaugural address.

The highlight of the two-day event was a brain-storming, interactive lecture sessions on recent research advances in biotechnology of health and disease, in which the eminent scientists, including Dr. P. N. Rangarajan, Dr. Sathees C. Raghavan and Dr. Anjali Karande from IISc, Bangalore and Dr. Radha Venkatesan, Scientist, Madras Diabetes Research Foundation, Chennai, delivered. Dr. Sathees very well pointed out the implications of chromosomal translocations in cancer development.

Other lectures delivered during the event were by Dr. R. Murugesan, NRCBS, MKU on Nano-enabled drug delivery systems and by Dr. K. Sundar, Kalasalingam University on Reverse Vaccinology and by Dr. K. Veluraja, Manonmaniam Sundaranar University on Molecular Dynamics Simulation Approach.

On the second day, Prof. P. Palanivelu, MKU presented welcome address in the valedictory function, Prof. P. Guanasekaran, Member Syndicate, MKU felicitated the organizers and the participants of the lecture series. Prof. G. Marimuthu, INSA Fellow, MKU delivered the valedictory address.

Total number of participants: 120

Total number Colleges and Universities participated: 17

Names of the colleges and universities:

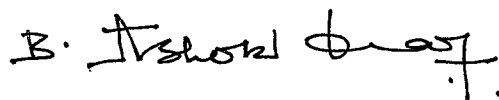
1. Madurai Kamaraj University, Madurai
2. Sri Paramakalyani College, Alwarkurichi
3. M.G.R College, Hosur

4. V.H.N.S.N College , Virudhnagar
5. Bharathidasan University, Trichy
6. NMSSVN College, Madurai
7. Sri Kaliswari College, Sivakasi
8. Manonmaniam Sundaranar University, SPKCES Campus, Alwarkurichi
9. Vivekananda College, Tiruvedakam, Madurai
10. Kamaraj College of Engineering, Virudhnagar
11. The American College, Madurai
12. Alagappa University, Karaikudi
13. Kalasalingam University, Krishnankoil
14. Madura College, Madurai
15. Ariganar Anna Government Arts College, Musiri
16. PRIST University, Tanjore.
17. Thiagarajar College, Madurai



Signature of the Coordinator

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Signature of the Joint -
Co-ordinator

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Day 1 07. 10. 11	Programme
09.15 am	Registration
10.00 – 10.30 am	Inaugural Function
10.30 – 11.00 am	<i>Tea Break</i>
11.00 – 12.00 pm	Dr. P. N. Rangarajan Professor, Department of Biochemistry, IISc, Bangalore. Title : Traditional, Modern and Futuristic Vaccines
12.00 – 01.00 pm	Dr. Anjali A. Karande Professor, Department of Biochemistry, IISc, Bangalore. Title : Cell Targetted Therapy using Plant Toxins
01.00 – 02.00 pm	<i>Lunch</i>
02.00 – 3.00 pm	Dr. P. N. Rangarajan Professor, Department of Biochemistry, IISc, Bangalore Title : Regulation of gene expression by zinc finger transcription factors
03.00 – 03.30 pm	<i>Tea Break</i>
03.30 - 04.30 pm	Dr. R. Murugesan Emeritus Professor Networking Resource Centre in Biological Sciences, Madurai Kamaraj University, Madurai. Title : Nano-enabled Drug Delivery Systems
Day 2 08. 10. 11	
10.00 – 11.00 am	Dr. Sathees C. Raghavan Assistant Professor, Department of Biochemistry, IISc, Bangalore. Title : Mechanism of Chromosomal Translocations in Cancer
11.00 – 11.30 am	<i>Tea Break</i>
11.30 – 12.30 pm	Dr. Radha Venkatesan Scientist and Head, Department of Molecular Genetics, Madras Diabetes Research Foundation, Chennai. Title : Genomics of Type 2 Diabetes
12.30 – 01.30 pm	<i>Lunch</i>
01.30 – 02.30 pm	Dr. K. Sundar Professor & Head, Department of Biotechnology, Kalasalingam University, Krishnan Koil Title : Reverse Vaccinology: from genome to vaccine
02.30 – 03.30 pm	Dr. K. Veluraja Professor, Department of Physics, Manonmanium Sundaranar University Tirunelveli. Title: Molecular Dynamics Simulation Approach for Influenza A Haemagglutinin
03.30 – 04.00 pm	<i>Tea Break</i>
04.00 - 04.30 pm	Valedictory Function